

UNIVERSITY OF WASHINGTON SCHOOL OF MEDICINE

CURRICULUM VITAE

See Wan Tham M.B.B.S.

Personal Data:

Legal name: See Wan Tham
Place of birth: Selangor, Malaysia
Date of birth: November 10, 1976
Citizenship: USA

Education:

1996 - 2001 M.B.B.S. University of Sydney, Australia (First Class Honors)
2020 - 2022 M.S. (Epidemiology) University of Washington School of Public Health

Postgraduate Training:

2001 - 2002 Internship, St. George Hospital, NSW, Australia.
2002 - 2004 Resident, The Canberra Hospital, ACT, Australia.
2005 - 2006 Internship (Preliminary Year in Medicine), State University New York, Upstate Medical University Hospital, Syracuse, NY.
2006 - 2009 Anesthesia Residency, State University New York, Upstate Medical University Hospital, Syracuse, NY.
2009 - 2010 Clinical Fellowship in Pediatric Anesthesiology, Seattle Children's Hospital, Seattle, WA
2010 - 2013 Postdoctoral Research Fellowship, T32 Research Fellow, Department of Anesthesiology and Pain Medicine, Seattle Children's Hospital, Seattle, WA.
2014 - 2015 Non-ACGME fellowship for pediatric chronic pain, Seattle Children's Hospital, Seattle, WA.

Faculty Positions Held:

2010 - 2013 Acting Instructor & Senior Fellow, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine, Seattle, WA.
2013 - 2016 Acting Assistant Professor, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine, Seattle, WA.
2016 - 2022 Assistant Professor, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine, Seattle, WA.
2022 - Associate Professor, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine, Seattle, WA.

Hospital Positions Held:

2010 - Staff Anesthesiologist, Pediatric Anesthesia, Seattle Children's Hospital, Seattle, WA.
2014 - Pediatric Pain Physician, Pain Medicine Clinic, Seattle Children's Hospital, Seattle WA.
2015 - 2019 Inpatient Pain Consultation Service: Clinical Program Director, Department of Anesthesiology and Pain Medicine, Seattle Children's Hospital, Seattle, WA.

Honors:

2009 Chief Resident, Department of Anesthesiology and Pain Medicine, Upstate Medical University Hospital, Syracuse, NY

- 2011 American Pain Society Pain Fundamentals Course Scholarship, 30th Annual Scientific Meeting
- 2012 American Pain Society Young Investigator Travel Support Program, 31st Annual Scientific Meeting
- 2012 Judy Su PhD Endowed Presentation Award, 5th Academic Evening, University of Washington Anesthesiology & Pain Medicine, Seattle, Washington

Board Certification:

- 2005 Educational Commission for Foreign Medical Graduates 0-655-333-3
- 2011 Diplomat of American Board of Anesthesiology
- 2015 American Board of Anesthesiology, Pediatric Anesthesiology Certification

License to Practice:

- 2009 - current Washington State Medical License MD 60084842

Professional Organizations:

- 2005 - 2013 American Medical Association, member
- 2006 - American Society of Anesthesiologists, member
- 2009 - Society of Pediatric Anesthesia, member
- 2011 - 2019 American Pain Society, member
- 2011 - 2019 American Pain Society; Special Interest Group: Pain in Infants, Children, and Adolescents
- 2013 - 2016 Sleep Research Society, member
- 2017 - International Association for the Study of Pain, member
- 2020 - US Association for the Study of Pain, member

Teaching Responsibilities:

- 2012 - Seattle Children's Hospital, Department of Anesthesia and Pain Medicine, Pediatric Pain Lectures Series, Topics: Assessment of pain, Acute pain management, Chronic pain management. Frequency: Quarterly
- 2015 - 2016 Seattle Children's Hospital, Department of Pediatrics, Hospitalists Lecture Series, Acute Pain Management. Frequency: Quarterly
- 2015 - Lecturer: University of Washington School of Medicine, Department of Anesthesiology & Pain Medicine, "Pediatric Pain Physician Fellowship Program Lecture Series. Frequency: Quarterly
- 2018 - 2020 Airway Skills Workshop for Pediatric Anesthesia Fellows. Frequency: Annual
- 2018 - Lecturer: University of Washington School of Medicine, Department of Anesthesiology & Pain Medicine "UW TelePain Didactic Series: Pediatric Chronic Pain". Frequency: Biannual
- 2021- Seattle Children's Hospital, Department of Anesthesia and Pain Medicine, Pediatric Anesthesiology Fellows Research Series

Mentorship:

- 2011 - 2012 Fiona Patrao, MD, Intern, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine.
- 2012 - 2015 Tracy Chang, MD, Intern, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine.
- 2012 - 2014 David Dorsey, MD, Resident, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine.

- 2018 - 2018 Ben Whiddon, MD, Resident, Department of Anesthesiology and Pain Medicine, University of Washington School of Medicine.
- 2018 - 2019 Marian Giles, MBBS, Research Assistant, Seattle Children's Research Institute.
- 2020 - 2022 Katie Johnson, MD, Fellow, Department of Pediatrics Safe Child and Adolescent Network, Seattle Children's Hospital, University of Washington School of Medicine. Scholarly Oversight Committee.
- 2020 - 2022 Irina Gorbounova, MD, Fellow, Department of Pediatrics Division of Gastroenterology, Seattle Children's Hospital, University of Washington School of Medicine.
- 2021 - Hannibal Person MD, Fellow, Department of Pediatrics Division of Gastroenterology, Seattle Children's Hospital, University of Washington School of Medicine. Scholarly Oversight Committee.

Editorial Responsibilities:

- 2013 - Ad Hoc Reviewer (Selected): Journal of Pain, Journal of Pediatric Psychology, The Clinical Journal of Pain, European Journal of Pain, Journal of Neurotrauma, Journal of Youth and Adolescents, Sleep Disorders, Journal of Behavioral Sleep Medicine, American Journal of Epidemiology

Special International Responsibilities:

- 2014 - 2015 Invited Member, Committee for Education Day, International Symposium for Pediatric Pain 2015

Special National Responsibilities:

- 2013 - 2014 Invited Member, Subcommittee for Trainee Symposia Series, Sleep annual meeting 2014
- 2013 - 2016 Invited Member, Scientific Planning Committee, 2014, 2015, 2016 Annual meetings of the American Pain Society
- 2015 - 2016 Invited Member, Committee for the Early Career Advisory Group, American Pain Society
- 2021 - 2022 Abstract Reviewer, Western Anesthesia Resident Conference

Special Local Responsibilities:

- 2016 - 2017 Invited Member, Clinical Standard Work: Pancreatitis Workgroup, Seattle Children's Hospital
- 2016 - 2019 Member, Medication Safety Committee, Seattle Children's Hospital
- 2016 - 2019 Member, Opioid Safety Committee, Seattle Children's Hospital
- 2017 - 2018 Invited Member, Clinical Standard Work: Cancer POST OP Workgroup, Seattle Children's Hospital
- 2017 - 2018 Member, APP Fellowship Advisory Group, Seattle Children's Hospital, Seattle, Washington.
- 2017 - 2019 Member, Compensation Committee, Seattle Children's Hospital Department of Anesthesia and Pain Medicine
- 2022 - Member, K-Club Planning Committee, Seattle Children's Research Institute

Grant Review Work

- 2018 – 2021 Reviewer, Scan Design Foundation Innovative Pain Research, University of Washington School of Medicine Department of Anesthesiology and Pain Medicine.

RESEARCH FUNDING

Active**Federal:**

7/2019 - 6/2024 National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Disease.K23 Mentored Patient-Oriented Research Career Development Award. Sleep Deficiency and Autonomic Function in Pediatric Chronic Abdominal Pain. Total costs: \$903,418. Role: PI

Completed**Federal:**

9/2010 - 9/2013 National Institute for General Medical Sciences, Anesthesiology & Perioperative Medicine Research Training, 2T32GM086270-12 (PI: Palermo, Tonya). Role: Trainee

Non-Federal:

- 7/2011 - 6/2012 University of Washington Center for Research on Management of Sleep Disturbances and ITHS Sleep Pilot Award, National Institute of Nursing Research, Grant Number P30 NR011400, Sleep-wake Disturbances in Adolescents Following Mild to Moderate Traumatic Brain Injury. Total costs: \$20,000. Role: PI
- 4/2011 - 12/2013 University of Washington School of Medicine, Department of Anesthesiology and Pain Medicine, Anesthesia Pilot Award, Associations among Pain, Smoking, Alcohol Abuse, and Depression in Older Adolescents and Young Adults: A Twin Study (PI: Lewandowski, Amy). Total costs: \$10,000. Role: Co-Investigator
- 2/2014 - 9/2014 Seattle Children's Research Institute - Center for Child Health, Behavior and Development (CCHBD) Stimulus Fund, Pain Responsivity and Sleep Disturbances in Adolescents with Chronic Pain. Total costs: \$17,853. Role: PI.
- 1/2014 - 7/2015 Sleep Research Society Foundation & Jazz Pharmaceuticals Early Career Development Research Award, Sleep-Wake Disturbances and Pain Responsivity in Adolescents. Total costs: \$75,000. Role: PI
- 10/2015 - 9/2016 Seattle Children's Research Institute - Center for Child Health, Behavior and Development (CCHBD) Stimulus Fund, Pain and Sleep Problems in Youth after Concussion: A Feasibility Study of Cognitive Behavioral Intervention (MPI: Law and Tham). Total costs: \$20,000. Role: Co-PI
- 9/2015 - 9/2017 Seattle Children's Research Institute - Center for Child Health, Behavior and Development (CCHBD) Mentored Scholar Award, The Role of Sleep Disturbances in Persistent Post-Concussion Syndrome in Adolescent Athletes. Total costs: \$50,000. Role: PI
- 8/2017 - 8/2018 Scan Design Foundation Innovative Pain Research Grant, Impact of Sleep Restriction on Pain and Autonomic Function in Children with Abdominal Pain. Total costs: \$50,000. Role: PI

BIBLIOGRAPHY**Manuscripts in Refereed Journals:**

1. Call T.R., Auerbach F.J., Riddell S.W., Kiska D.L., Thongrod S.C., **Tham S.W.**, Nussmeier N.A. (2009). Nosocomial contamination of laryngoscope handles: challenging current guidelines. *Anesthesia & Analgesia*, 109: 479-483. PMID: 19608822
2. **Tham S.W.**, Palermo T.M., Vavilala M.S., Wang J., Jaffe K., Koepsell T., Dorsch A., Temkin N., Durbin D., Rivara F.P. (2012). The longitudinal course, risk factors and impact of sleep disturbances in children with traumatic brain injury. *Journal of Neurotrauma*, 29 (1): 154-161. PMID: 22029569
3. **Tham S.W.**, Lewandowski A., Chuan Z., Clarke G., Palermo T.M. (2013). Longitudinal Course and Risk Factors for Fatigue in Adolescents: The Mediating Role of Sleep Disturbances. *Journal of Pediatric Psychology* 38(10):1070-80. PMID: 23860262
4. Lewandowski-Holley, A., Law E.F., **Tham S.W.**, Myaing M., Noonan C., Palermo T.M. (2013). Associations among smoking and chronic musculoskeletal pain in young adult twins. *Journal of Pain*, 14(10):1131-9. PMID: 23810151
5. **Tham S.W.**, Palermo T.M., Wang J., Jaffe K.M., Temkin N., Durbin D., Dorsch A., Rivara F.P. (2013). Persistent pain in adolescents following traumatic brain injury. *Journal of Pain*, 14(10):1242-9. PMID: 23911979
6. **Tham S.W.**, Fales J., Palermo T.M. (2015). Subjective and objective assessment of sleep in adolescents with mild traumatic brain injury. *Journal of Neurotrauma*, 847-852. PMID: 25707446
7. Liston D.L., **Tham S.W.** (2015). Anesthesia in patients with asthma, bronchiolitis and other respiratory diseases. *Update in Anaesthesia*, 30 (1):58-64.
8. **Tham S.W.**, Palermo T.M., Holley A.L., Zhou C., Stubhaug A., Furberg A.S., Nielsen C. (2016). A population-based study of quantitative sensory testing in adolescents with and without chronic pain. *Pain* 157 (12): 2807-2815. PMID: 27780176
9. **Tham S.W.**, Li L., Effraim P., Waxman S. (2017). Between Fire and Ice: Refractory hypothermia and warmth-induced pain in inherited erythromelalgia. *British Medical Journal Case Reports*. PMID: 28751508
10. Law, E.F., **Tham S.W.**, Aaron R., Dudeney J., Palermo T.M. (2018). Hybrid cognitive behavioral therapy intervention for adolescents with co-occurring migraine and insomnia: A single-arm pilot trial. *Headache: The Journal of Head and Face Pain* 58.7: 1060-1073. PMID: 30152164
11. **Tham S.W.**, Giles M. (2018) Current management strategies of pain in patients with erythromelalgia: A critical review. *Journal of Pain Research* 11, 1689. PMID: 30214279
12. Neuhaus E., Bernier R.A., **Tham S.W.**, Webb S.J. (2018). Gastrointestinal and psychiatric symptoms among children and adolescents with autism spectrum disorder. *Frontiers in Psychiatry* 9: 515. PMID: 30405456
13. Windsor R.B., **Tham S.W.**, Adams T.L., Anderson A. (2019). The use of opioids of treatment of pediatric neuropathic pain: A literature review. *The Clinical Journal of Pain* 35(6):509-514. PMID: 30985402
14. **Tham S.W.**, Aaron R.V., Palermo T.M. (2019) The role of sleep deficiency in the trajectory of postconcussive symptoms in adolescents. *Journal of Brain Injury* 33(11), 1413-1419. PMID: 31322003

15. Groenewald, C.B., **Tham S.W.**, & Palermo, T.M. (2020). Impaired school functioning in children with chronic pain: A national perspective. *The Clinical Journal of Pain*, 36(9), 693-699. PMID: 32487871
16. Murphy, L.K., Palermo, T. M., **Tham S.W.**, Stone, A. L., Han, G.T., Bruehl, S., Garber J., Walker, L.S. (2021). Comorbid sleep disturbance in adolescents with functional abdominal pain. *Behavioral sleep medicine*, 1-10. PMID: 32573267
17. Kurtz-Nelson E.C., **Tham S.W.**, Ahlers K., Cho D., Wallace A.S., Eichler E.E., Bernier R.A., & Earl R.K. (2020). Associations between self-injurious behaviors and abdominal pain among individuals with ASD-associated disruptive mutations. *Journal of Autism and Developmental Disorders*, 1-9. PMID: 33175317
18. Groenewald C.B., Rabbitts J.A., **Tham S.W.**, Law E.F., Palermo T.M. (2021) Associations between insufficient sleep and prescription opioid misuse among high school students in the United States. *Journal of Clinical Sleep Medicine*, 1;17(11):2205-2214. PMID: 34019477
19. **Tham S.W.**, Palermo T.M., Chrisman S., Groenewald C.B. (2021) Prescription opioid misuse and sports-related concussion among high school students in the United States. *J Head Trauma Rehabilitation* 36(5):338-344. PMID: 34489384
20. **Tham S.W.**, Cress G., Wang F., Garipey C., Yuan Y., Lowe M.E., Uc A., Palermo T.M., on behalf of the International Study Group of Pediatric Pancreatitis: In search for a cure (INSPPIRE) and Consortium for the Study of Chronic Pancreatitis, Diabetes and Pancreatitis Cancer (CPDPC) (2022). Health related quality of life in children with acute recurrent and chronic pancreatitis: Association with biopsychosocial risk factors. *Journal of Pediatric Gastroenterology and Nutrition*. 74(5), 636-642.
21. **Tham S.W.**, Murray C.B, Law E.F., Slack K.E., Palermo T.M. (2022) The impact of the Coronavirus disease 2019 pandemic on pain and psychological functioning in young adults with chronic pain. *Pain*.10-1097.
22. Johnson, K. L., Wilkins, S. N., Brown, E. C., **Tham, S.W.**, Walco, G. A., Feldman, K. W., ... & Campbell, K. A. (2022). The overlap of medical child abuse and central sensitization in adolescents: an exploratory qualitative study. *Child Abuse & Neglect*, 132, 105788.

Book Chapters

1. Lavelle E.D., Mahmoud M., **Tham S.W.**, Vadney M., Lozano S. (2010) Anesthesia for scoliosis surgery. In Newton P.O., O'Brien M.F., Shufflebarger H.L., Betz R.R., Dickson R.A., Harms J. (Eds.). *Idiopathic Scoliosis: The Harms Study Group Treatment Guide*, pp. 123-135. New York: Thieme Medical Group.
2. **Tham S.W.**, Long A., Palermo T.M. (2013) Measures of health-related quality of life. In McGrath P., Stevens B., Walker S., Zempsky W. (Eds.) *The Oxford Textbook of Pediatric Pain*, pp. 417-428. Oxford, United Kingdom: Oxford University Press.
3. **Tham S.W.**, Groenewald C.B., Walco G.A. (2020) Evidence-based guidelines for opioid therapy in pediatrics. In Shah R.D. & Suresh S. (Eds.) *Opioid Therapy in Children and Adolescents*, pp. 61-76. New York: Springer International Publishing.
4. **Tham S.W.**, Long A., Murphy L., Palermo T.M. (2021) Measures of health-related quality of life. In McGrath P., Stevens B., Walker S., Zempsky W. (Eds.) *The Oxford Textbook of Pediatric Pain*. Oxford, United Kingdom: Oxford University Press.

5. **Tham S.W.**, Koh J., Palermo T.M. (in press) Pain in children. In Lynch M.E., Craig K.D., Peng P.H. (Eds) *Clinical Pain Management: A Practical Guide 2nd Edition*. New Jersey: John Wiley & Sons.

Other Publications

1. **Tham S.W.**, Law E.F., Palermo T.M. (2016) *Assessment and Management of Youth with Chronic Pain and Disability*. Paradigm.

ABSTRACTS

Published Abstracts:

1. **Tham S.W.**, Law, E.F., Palermo, T.M., Murray, C., Murphy, L. (2011) Multiple-site pain and quality of life in adolescents. *J Pain*, 12 (4, Suppl 2): 15.
2. **Tham S.W.**, Palermo, T.M., Jimenez, N., Wang J., Vavilala M., Rivara F.P. (2012) Persistent pain following traumatic brain injury in a pediatric population. *Journal of Pain*, 13 (4): S22.
3. Lewandowski A., Law E.F., **Tham S.W.**, Myaing M., Noonan C., Palermo T.M. (2012) Associations among smoking and chronic musculoskeletal pain in young adult twins. *Journal of Pain*, 13 (4): S13.
4. **Tham S.W.**, Palermo T.M., Vavilala M., Rivara F.P. (2012) Sleep patterns and behaviors in adolescents following mild to moderate traumatic brain injury. *Sleep*: 34 (Abstract Suppl).
5. **Tham S.W.**, Palermo T.M., Vavilala M., Rivara F.P. (2012) Assessment of sleep disturbances in adolescents with mild traumatic brain injury. *Journal of Neurotrauma*, 29 (10): A-17.
6. **Tham S.W.**, Lewandowski-Holley A., Ghafari G., Palermo T.M. (2014) Experimental pain testing in youth with and without chronic pain. *Journal of Pain* 15 (4): S22.
7. **Tham S.W.**, Bromberg M, Palermo TM, Khashikar-Zuck S, Beebe D. (2014) Sleep duration and pressure pain responsivity in healthy adolescents. *Sleep* 37: A322.
8. **Tham S.W.**, Durkin L, Palermo T.M. (2015) Feasibility of Home-based Sleep Restriction and Extension Protocols for Adolescents with and without Chronic Pain. *Sleep* 38.
9. **Tham S.W.**, Holley A, Nielsen C, Palermo T.M. (2015) Experimental pain testing in a population-based study. *Journal of Pain* 16 (4): S21.
10. **Tham S.W.**, Durkin L, Palermo T.M. (2016). Impact of Sleep Restriction and Extension in Adolescents with and without Chronic Pain. *Sleep* 39 A340.
11. **Tham S.W.**, Aaron, R., Tai G., Durkin L., Palermo T.M. (2017). Pain as a Predictor of Post-Concussion Symptoms in Adolescents. *Journal of Pain* 18 (4): S77.
12. **Tham S.W.**, Palermo T.M. (2018). Recurrent Short Sleep Duration as a Risk Factor for Chronic Pain in Older Adolescents. *Journal of Pain* 19 (2): Supplement
13. **Tham S.W.**, Daley L, Palermo T.M. (2019). Sleep deficiency and disability in adolescents with chronic abdominal pain. *Journal of Pain* 20 (4): Supplement.
14. Weiss K., Law E.F., Havkins S., Giles M., **Tham S.W.**, Walco G, Palermo T.M. (2019) Relationships between Objective Physical Performance with Pain Anxiety and Self -Efficacy during Intensive Pediatric Pain Rehabilitation. *Journal of Pain* 20 (4) S52.
15. Palermo T.M., **Tham S.W.**, Cress G., Yuan Y., Savitri A., Lowe M., Garipey C., Uc A. (2020). Health-related quality of liver, emotional, and behavioral functioning in children with acute recurrent and chronic pancreatitis. *Gastroenterology*, 158 (6), S-607.
16. Tham, S. W., Kapos, F. P., Law, E., Palermo, T. M., & Groenewald, C. B. (2022). Sa1637: Household food insecurity and chronic pain among children in the USA: A nationally representative study. *Gastroenterology*, 162(7), S-449.

Abstract/Poster Presentations at Regional/National/International Conferences (last 5 years)

1. Beals S, **Tham S.W.**, Tai G, Palermo T.M. (March 2016) Sleep Duration Variability and Health Related Quality of Life in Youth with and without Mild Traumatic Brain Injury. Poster presented at Society of

- Pediatric Psychology.
2. **Tham S.W.**, Durkin L, Palermo T.M. (June 2016). Impact of Sleep Restriction and Extension in Adolescents with and without Chronic Pain. Poster presented at the SLEEP Annual Meeting, Denver, Colorado.
 3. **Tham S.W.**, Aaron, R, Tai G, Durkin L, Palermo T.M. (May 2017). Pain as a Predictor of Post-Concussion Symptoms in Adolescents. Poster presented at American Pain Society Annual Meeting, Pittsburgh, Pennsylvania.
 4. **Tham S.W.**, Aaron, R, Palermo T.M. (May 2017). Trajectories of Pain, Sleep and - Symptoms in Adolescents. University of Washington School of Medicine Department of Anesthesia and Pain Medicine Academic Evening, Seattle WA.
 5. **Tham S.W.**, Palermo T.M. (July 2017). The Trajectory of Pain and Sleep Deficiency Following Concussion in Adolescents. Poster presented at the International Symposium for Pediatric Pain, Kuala Lumpur, Malaysia.
 6. **Tham S.W.**, Palermo T.M. (May 2018). Recurrent Short Sleep Duration as a Risk Factor for Chronic Pain in Older Adolescents. Poster presented at American Pain Society Annual Meeting Los Angeles, California.
 7. **Tham S.W.**, Daley L, Palermo T.M. (May 2019). Sleep deficiency and disability in adolescents with chronic abdominal pain. Poster presented at American Pain Society Annual Meeting Milwaukee, Minnesota.
 8. Weiss K., Law E., Havkins S., Giles M., **Tham S.W.**, Walco G, Palermo T.M. (May 2019) Relationships between Objective Physical Performance with Pain Anxiety and Self -Efficacy during Intensive Pediatric Pain Rehabilitation.
 9. **Tham S.W.**, Groenewald C.B., Palermo T.M. (March 2020) Childhood chronic abdominal pain and altered baroreceptor activity function as adults. International Association for the Study of Pain World Congress 2020.
 10. **Tham S.W.**, Garipey C.E., Appana S., Cress G., Abu-El-Haija M., Barth B., Bellin M.D., Ellery K., Fishman D.S., Giefer M.J, Goday P., Gonsk T.a, Heyman M.B., Husain S.Z., Lin T.K., Liu Q.Y., Mascarenhas M.R., Maqbool A., McFerron B., Morinville V.D., Nathan J.D., Ooi C.Y., Perito E., Pohl J.F., Schwarzenberg S.J., Sellers Z.M., Serrano J., Uzma Shah, Troendle D., Zheng Y., Ying Y., Lowe M.E., Uc A., Palermo T.M. (Nov 2020) Children with acute and recurrent pancreatitis have equally low health related quality of life, emotional and behavioral problems. American Pancreatic Association.
 11. **Tham S.W.**, Garipey C.E., Appana S., Cress G., Abu-El-Haija M., Barth B., Bellin M.D., Ellery K., Fishman D.S., Giefer M.J, Goday P., Gonsk T.a, Heyman M.B., Husain S.Z., Lin T.K., Liu Q.Y., Mascarenhas M.R., Maqbool A., McFerron B., Morinville V.D., Nathan J.D., Ooi C.Y., Perito E., Pohl J.F., Schwarzenberg S.J., Sellers Z.M., Serrano J., Uzma Shah, Troendle D., Zheng Y., Ying Y., Lowe M.E., Uc A., Palermo T.M. (Nov 2020) Children with acute and recurrent pancreatitis have equally low health related quality of life, emotional and behavioral problems. North American Society for Pediatric Gastroenterology, Hepatology & Nutrition.
 12. **Tham S.W.**, Murray C.B., Law E.F., Palermo T.M. (March 2021) Impact of the COVID-19 pandemic on pain and psychological functioning in young adults with chronic pain. International Association for the Study of Pain World Congress 2021.
 13. Gorbounova I., **Tham S.W.**, Palermo T.M. (June 2021) Analgesia prescribing patterns during pediatric hospitalization for acute pancreatitis. North American Society for Pediatric Gastroenterology, Hepatology & Nutrition.
 14. **Tham S.W.**, Palermo T.M. (November 2021) Understanding the variability between parent-proxy and child self-report of health-related quality of life in children with Hirschsprung's Disease compared to children with functional constipation. Pediatric Colorectal and Pelvic Learning Consortium Annual Meeting.
 15. **Tham S.W.**, Li R., Palermo T.M. (March 2022) Variability in quantitative sensory testing in adolescents with functional abdominal pain: associations with heterogeneity of pain experience. International Symposium for Pediatric Pain.
 16. Johnson K, Wilkins S., Brown E., **Tham S.W.**, Walco G., Feldman K., Wister R., Qu P, Campbell K. (April 2022) The overlap of medical child abuse and central sensitization in adolescents: an exploratory mixed-methods study.
 17. **Tham S.W.**, Palermo T.M., Groenewald C. (May 2022) Household food insecurity and chronic pain among

children in the USA: a nationally representative study.

National Invitational Lectures

1. Assessment of Sleep Disturbances in Adolescents with Mild Traumatic Brain Injury. Tham S.W., Vavilala M, Rivara FP, Palermo T.M. Invited oral presentation at the Neurotrauma 2012 Symposium, Phoenix, Arizona. 2012, July.
2. Sleep Duration and Pain Responsivity in Adolescents with and without Chronic Pain. Tham S.W. Club Hypnos and Datablitz. SLEEP 2015, Seattle, Washington. June 2015.
3. Preclinical and Clinical Experimental Models of Sleep Deficiency: Implications for Pain Management. Tham S.W. (Chair), Opp M, Haack M. Symposium presented at the 35th Annual Meeting of the American Society of Pain, Denver, Colorado. May 2016.
4. The Nexus between Sleep and Pain. Grand Rounds, Department of Anesthesiology & Pain Medicine, University of Washington School of Medicine, December 2020.
5. Sleep and Pain. Research Seminar, Department of Anesthesiology & Pain Medicine, University of Pennsylvania, April 2021.
6. Understanding the variability between parent-proxy and child self-report of health-related quality of life in children with Hirschsprung's Disease compared to children with functional constipation. Pediatric Colorectal and Pelvic Learning Consortium Annual Meeting, Seattle Children's Hospital, Seattle, November 2021.
7. COVID19 Pandemic Impact on Pediatric Pain. Groenewald C.B., Tham S.W., Wagner J. International Symposium for Pediatric Pain. March 2022.

Regional Invitational Lectures

1. Assessment and Treatment of Pain in Children. University of Washington Continuing Nursing Education Pediatric Drug Therapy. Seattle, Washington, March 2016.
2. Pain in Adolescents. University of Washington School of Medicine Pain Division Telepain Conferences. Seattle, Washington, June 2018.
3. Sleep and the Effects on Pain at Pediatric Pain: What You Don't Know Can Hurt Them. Continuing Nursing Education Program Seattle Children's Hospital, Seattle, Washington, October 2018.
4. Expert Pain Panel: Case Studies by Clinical RNs at Pediatric Pain: What you Don't Know can Hurt Them, Continuing Nursing Education Program Seattle Children's Hospital, Seattle, Washington, October 2018.
5. Treatment of Pediatric Pain in the Outpatient Setting. University of Washington Continuing Nursing Education Pediatric Drug Therapy. Seattle, Washington, May 2019.
6. Pain in Adolescents. University of Washington School of Medicine Pain Division Telepain Conferences, Seattle, Washington, October 2019.
7. Pain Neuroscience Education: Foundation for Clinical Self-Management. 12th Annual John D. Loeser Pain Conference: Managing Pain Without Pills and How To Do It. November 2019.
8. Managing the Pain of Children and Adolescents. 12th Annual John D. Loeser Pain Conference: Managing Pain Without Pills and How To Do It. November 2019.
9. Pain in Adolescents. University of Washington School of Medicine Pain Division Telepain Conferences, Seattle, Washington, October 2020.
10. Pain in Adolescents. University of Washington School of Medicine Pain Division Telepain Conferences, Seattle, Washington, June 2021.

Local Invitational Lectures

Upstate Medical University Hospital, State University New York

1. Updates on Pediatric Anesthesia. Grand Rounds, Department of Anesthesiology & Pain Medicine, Upstate Medical University Hospital, State University New York (Syracuse). November 2008.

University of Washington/Seattle Children's Hospital/Seattle Child Research Institute/Harborview Hospital

1. Pediatric Myths. Grand Rounds, Department of Anesthesiology & Pain Medicine, University of Washington, February 2010.
2. The Child Health After Injury Study: Sleep disturbances in children with traumatic brain injury. Research Seminar, Harborview Injury Prevention and Research Center, May 2011.
3. Sleep disturbances in children with traumatic brain injury. Research Seminar, Department of Anesthesiology & Pain Medicine, Seattle Children's Hospital, May 2011.
4. Longitudinal study of sleep disturbances in children with traumatic brain injury. Grand Rounds, Department of Anesthesiology & Pain Medicine, University of Washington, June 2011.
5. Sleep disturbances in adolescents with mild to moderate traumatic brain injury. Research Seminar, Department of Anesthesiology & Pain Medicine, Seattle Children's Hospital, January 2012.
6. Sleep and Traumatic Brain Injury. Grand Rounds, Department of Anesthesiology & Pain Medicine, University of Washington, June 2012.
7. Sleep Disturbances in Children and Adolescents with Traumatic Brain Injury. Sleep Medicine Rounds, Harborview Medical Center, June 2012.
8. Assessment of Sleep Disturbances in Adolescents with Mild Traumatic Brain Injury. Anesthesia and Pain Medicine Alumni Reunion. Department of Anesthesiology and Pain Medicine, Seattle Children's Hospital, September 2012.
9. The Shared Mechanisms of Pain and Sleep. Grand Rounds, Department of Anesthesiology & Pain Medicine, University of Washington, June 2013.
10. Exploring the Bidirectional Relationship between Pain and Sleep. Research Seminar, Department of Anesthesiology & Pain Medicine, Seattle Children's Hospital, July 2013.
11. Pain and Sleep. Research Seminar, Department of Anesthesiology & Pain Medicine, Seattle Children's Hospital, April 2014.
12. Research Development in Pediatric Pain and Sleep. Sleep Medicine Rounds, University of Washington Medicine Sleep Center at Harborview, January 2015.
13. Assessment and Management of Perioperative Pain for Spine Fusion. Preanesthesia Clinic Presentation, Seattle Children's Hospital, March 2016.
14. Sleep Disturbances in Adolescents with Concussion. Emergency Department Research Rounds, Seattle Children's Hospital, April 2016.
15. Sleep Restriction and Sleep Extension in Adolescents with and without Chronic Pain: A Preliminary Study, Research Seminar, Department of Anesthesiology and Sleep Medicine, Seattle Children's Hospital, July 2016.
16. Sleep Deficiency, Autonomic Abnormalities, Adolescents with Abdominal Pain: Is there a link? Pain Research Group, University of Washington and Seattle Children's Research Institute, March 2017.
17. Understanding Sleep Deficiency and autonomic function in pediatric chronic abdominal pain. Work in Progress Seminar, Center for Child Health, Behavior, and development, Seattle Children's Research Institute, May 2017.
18. Sleep and Abdominal Pain: Where is the Link? Research Seminar, Department of Pediatric Gastroenterology, Seattle Children's Hospital, January 2018.
19. Sleep, Abdominal Pain and Everything in Between. Research Seminar, Department of Pediatric Gastroenterology, Seattle Children's Hospital, September 2019.
20. The Inter-Relationship between Sleep and Pain. Center for Child Health Behavior and Development Winter Symposium, Seattle Children's Research Institute, January 2020.
21. Chronic pain in young adults: A prospective evaluation of the impact of the COVID-19 pandemic on pain and psychological functioning. Center for Child Health Behavior and Development Work in Progress Seminars, Seattle Children's Research Institute, April 2021.
22. Sleep and autonomic function in adolescents with chronic pain. Research Seminar, Department of Anesthesiology and Sleep Medicine, Seattle Children's Hospital, June 2021.
23. Seattle Children's CRMO/CNO Family Virtual Conference, Nov 2021. Seattle Children's Hospital, Department of Pediatrics, Division of Rheumatology.

-
24. The Impact of COVID-19 on young Adults with chronic pain. Research Seminar, Department of Anesthesiology and Sleep Medicine, Seattle Children’s Hospital, April 2022

Local Media

1. Seattle Children’s Hospital On the Pulse blog, “Researchers aim to put an agonizing problem for adolescents with chronic pain to rest”, written by Evan Koch. Original publication date April 19, 2017.

Other

1. Impact of Sleep Restriction on Pain and Autonomic Function in Adolescents with Abdominal Pain: A Pilot Study. Presentation of Work in Progresss at the Clinical Research Sounding Board, Early Career Forum. 36th Annual Meeting of the American Society of Pain, Pittsburgh, Pennsylvania. May 2017.